

FIG. 1

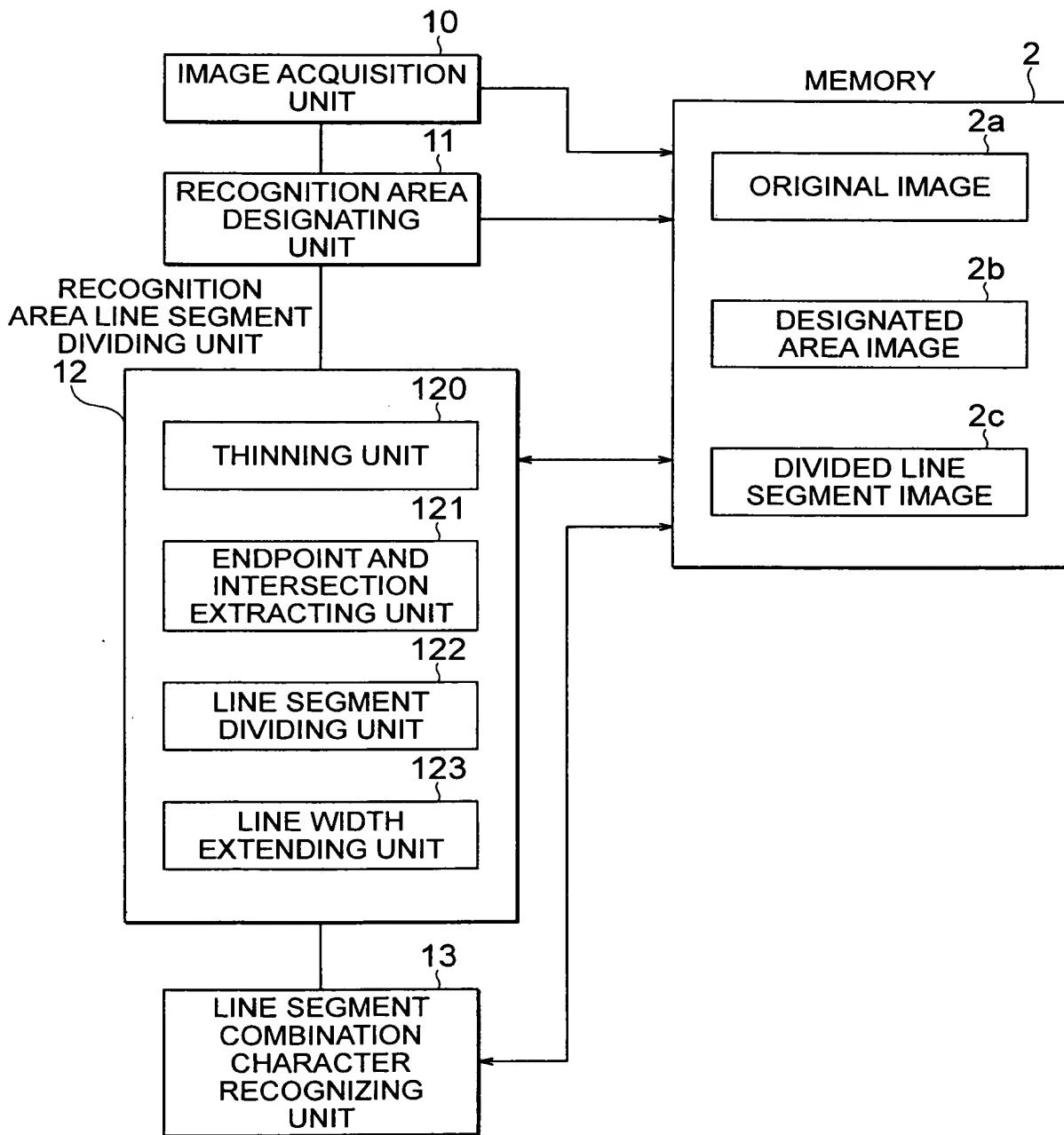


FIG. 2

7 000 7 000 7 000 7 000 7 000 7 000 7 000 7 000 7 000 7 000

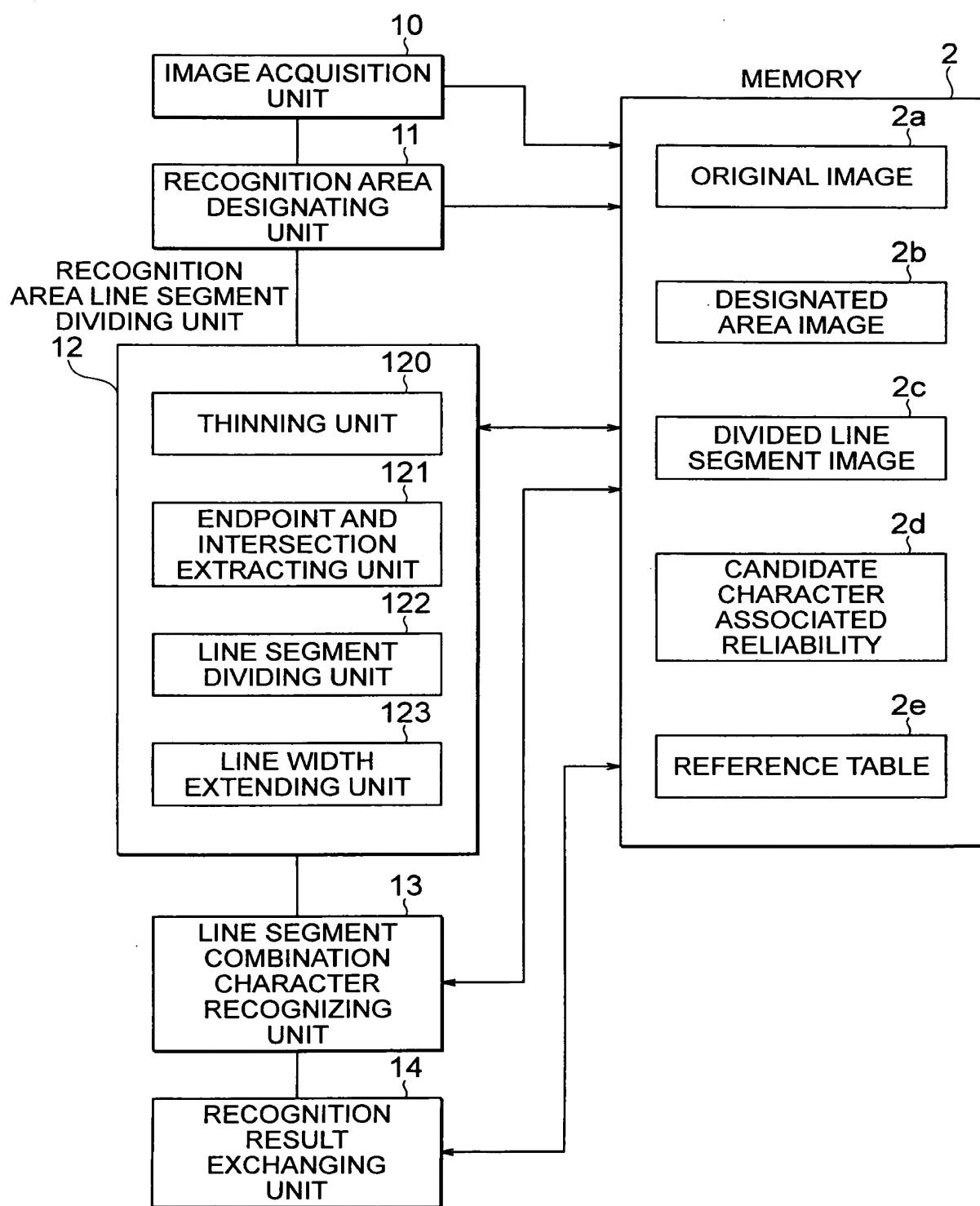


FIG. 3

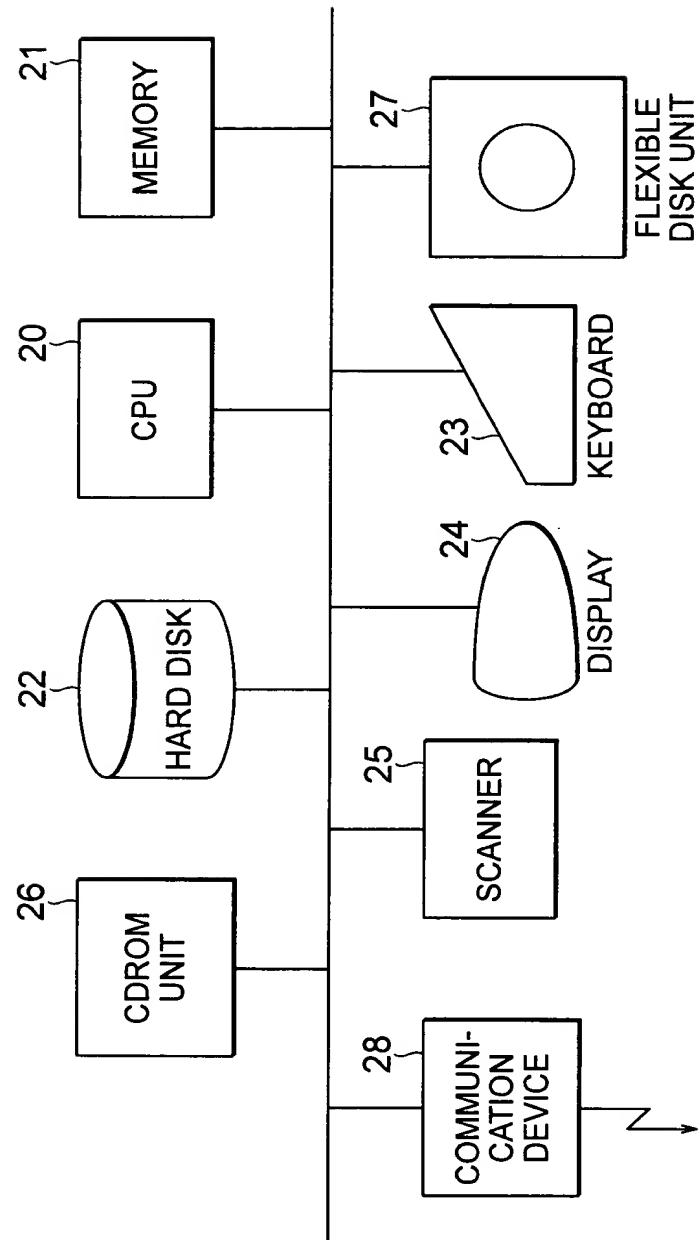


FIG. 4

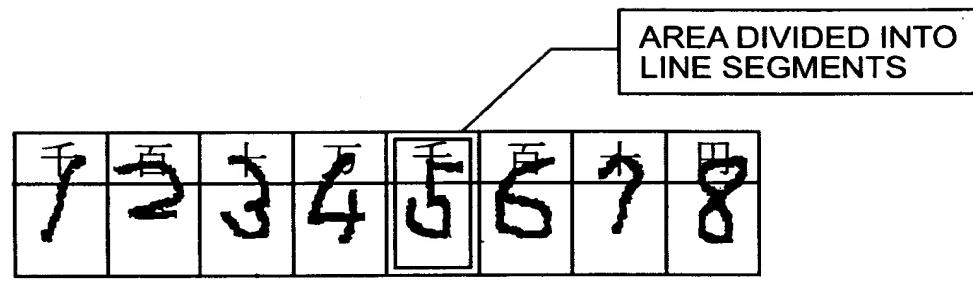


FIG. 5

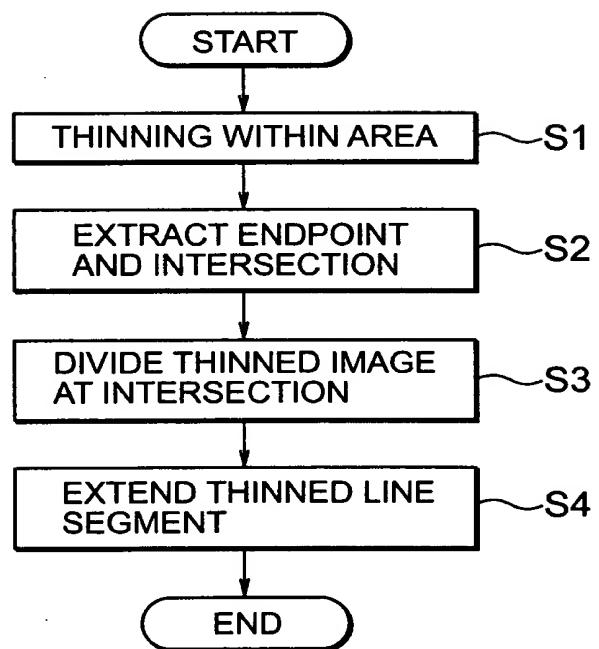


FIG. 6

Original document page showing a vertical column of 11 horizontal lines labeled (1) through (11).

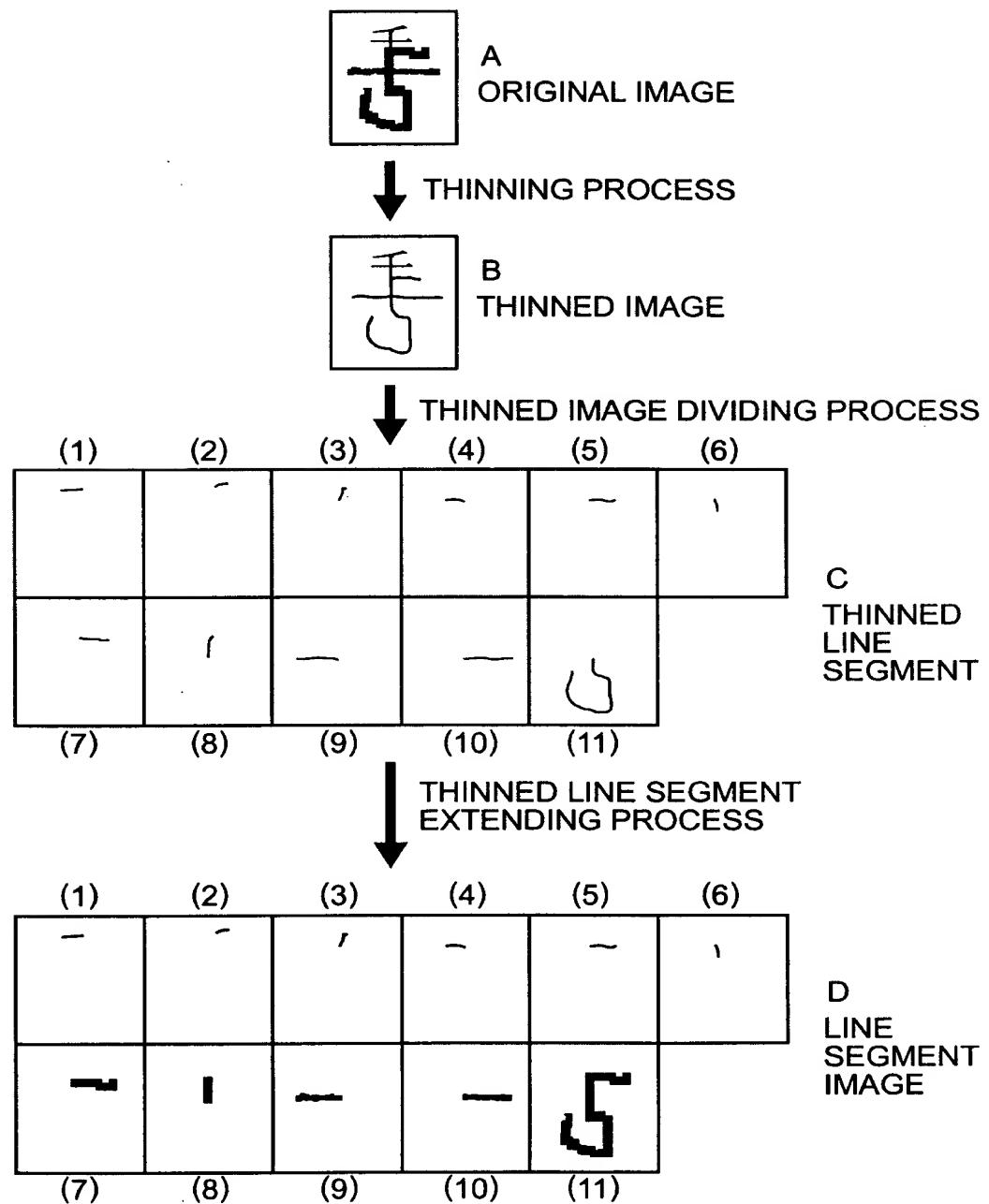
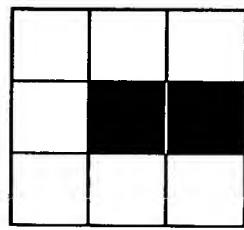


FIG. 7

(a)



(b)

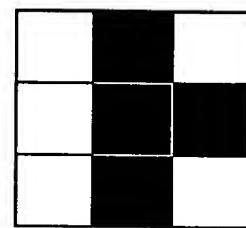


FIG. 8

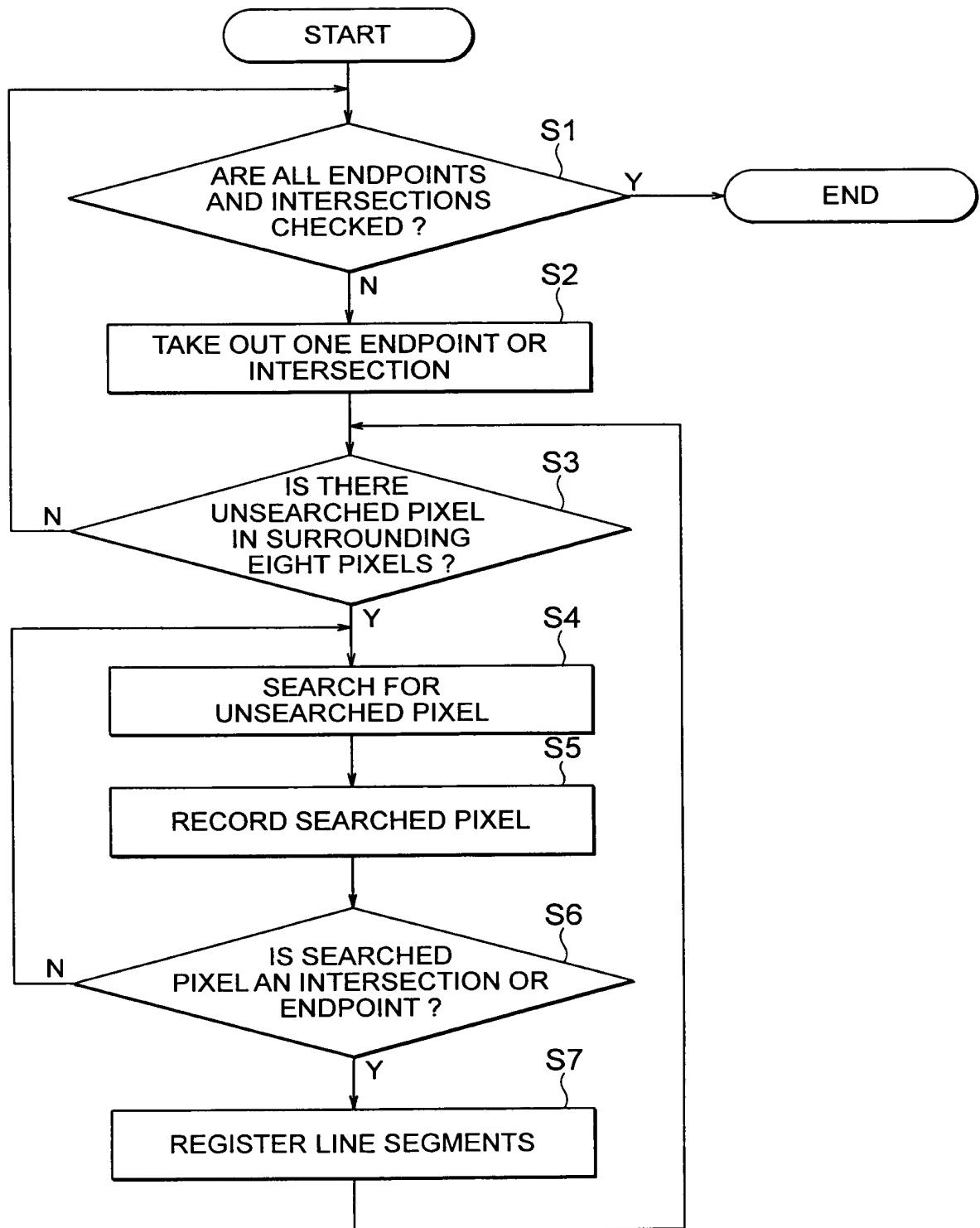


FIG. 9

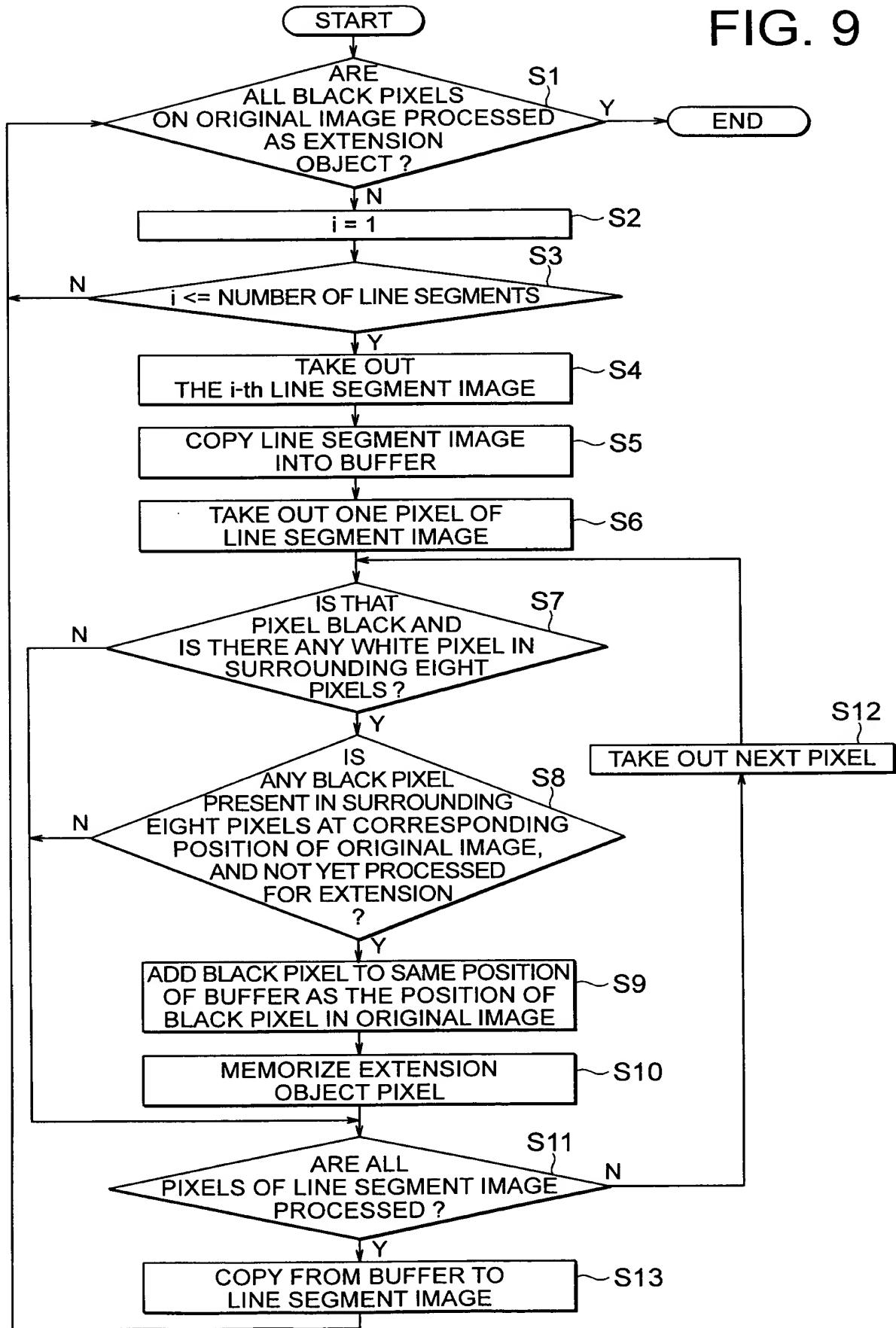


FIG. 10

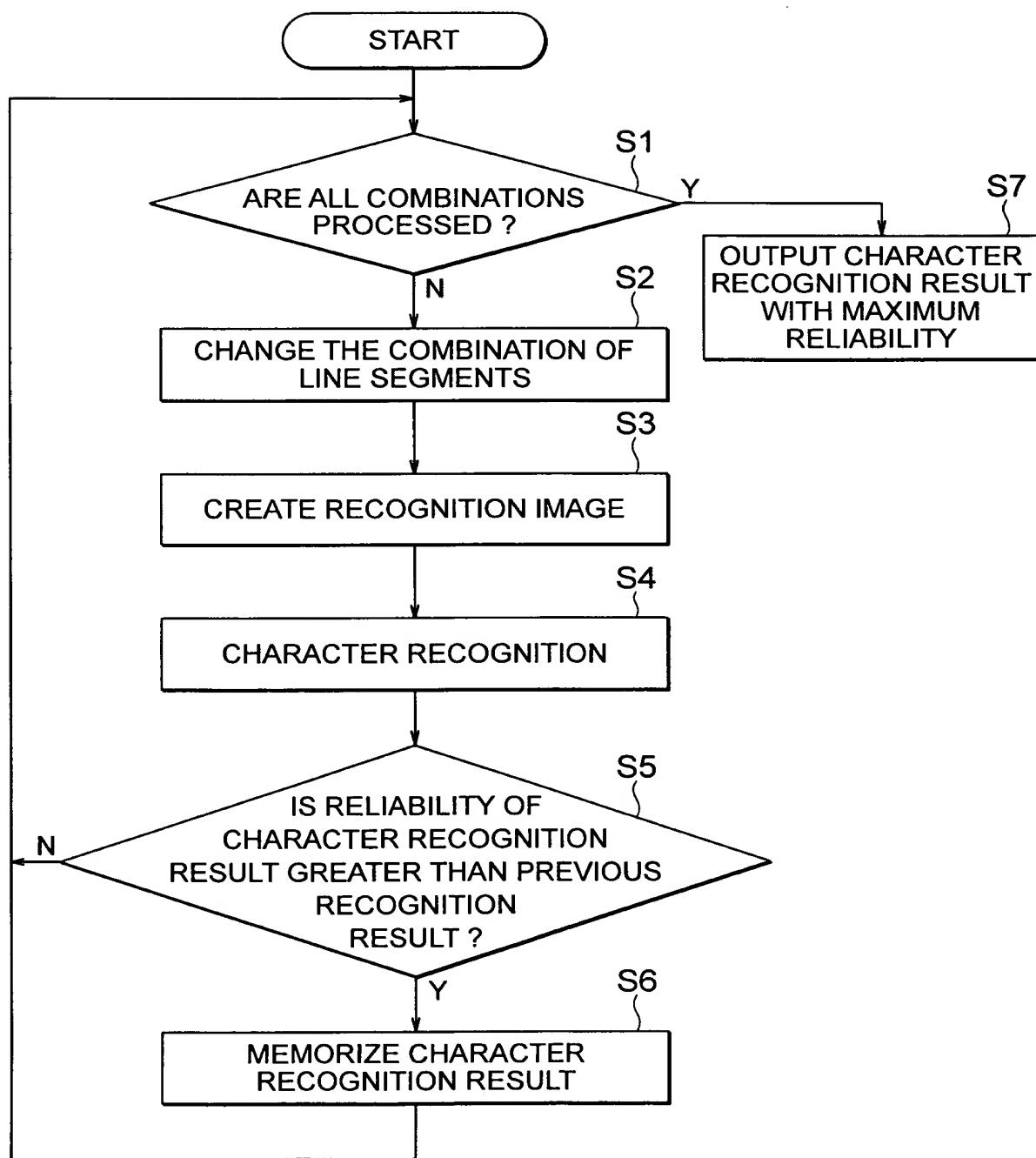


FIG. 11

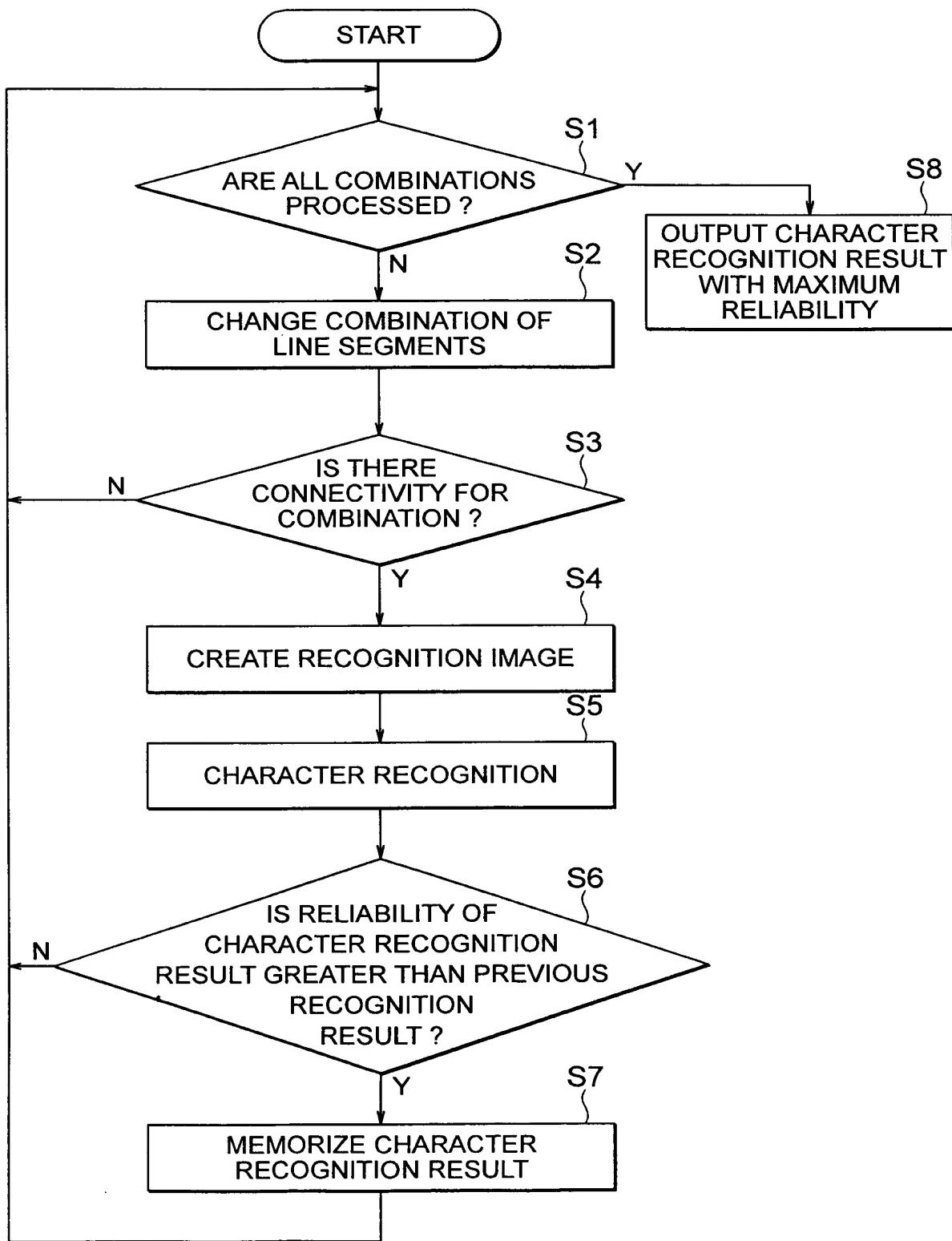


FIG. 12

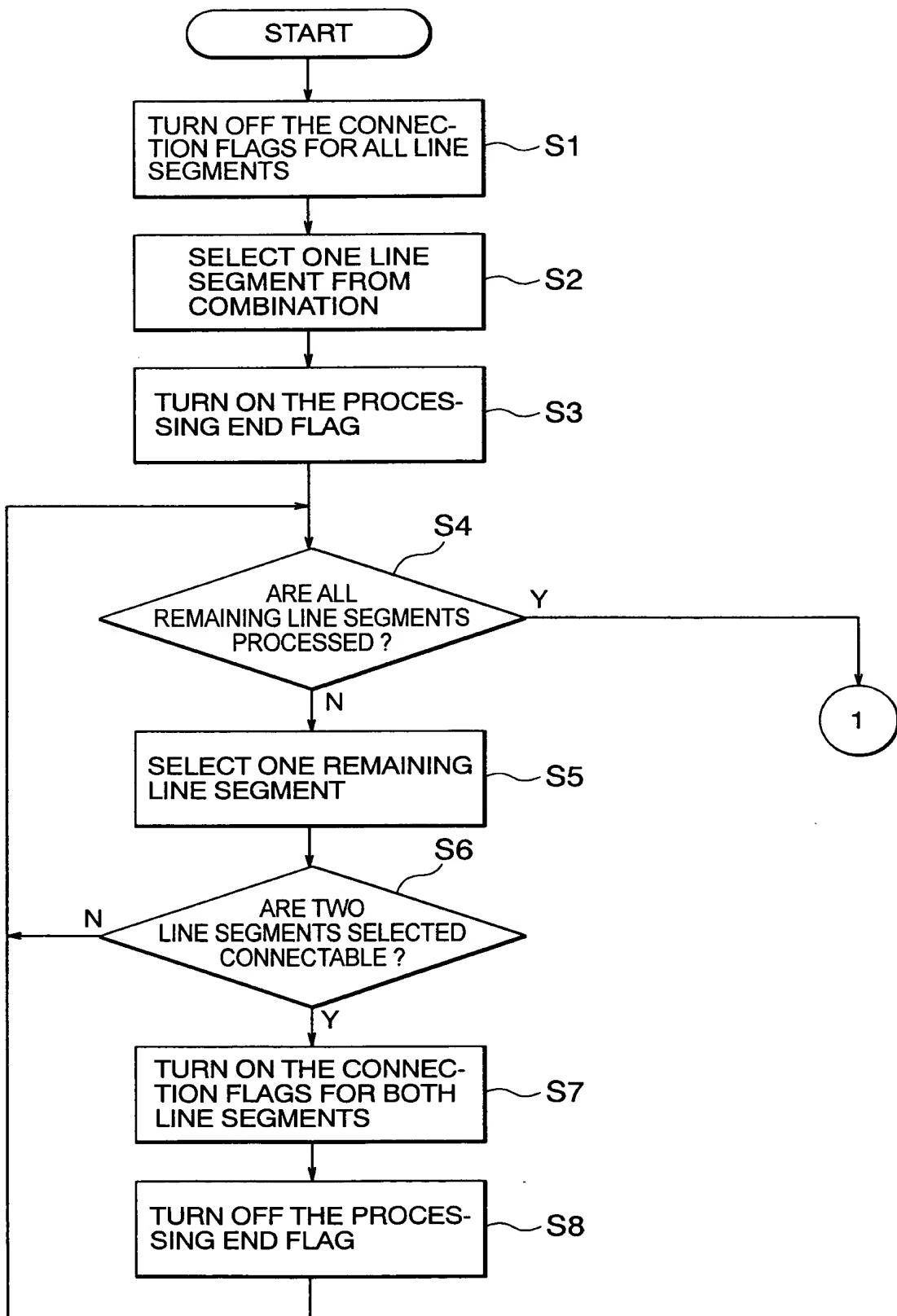


FIG. 13

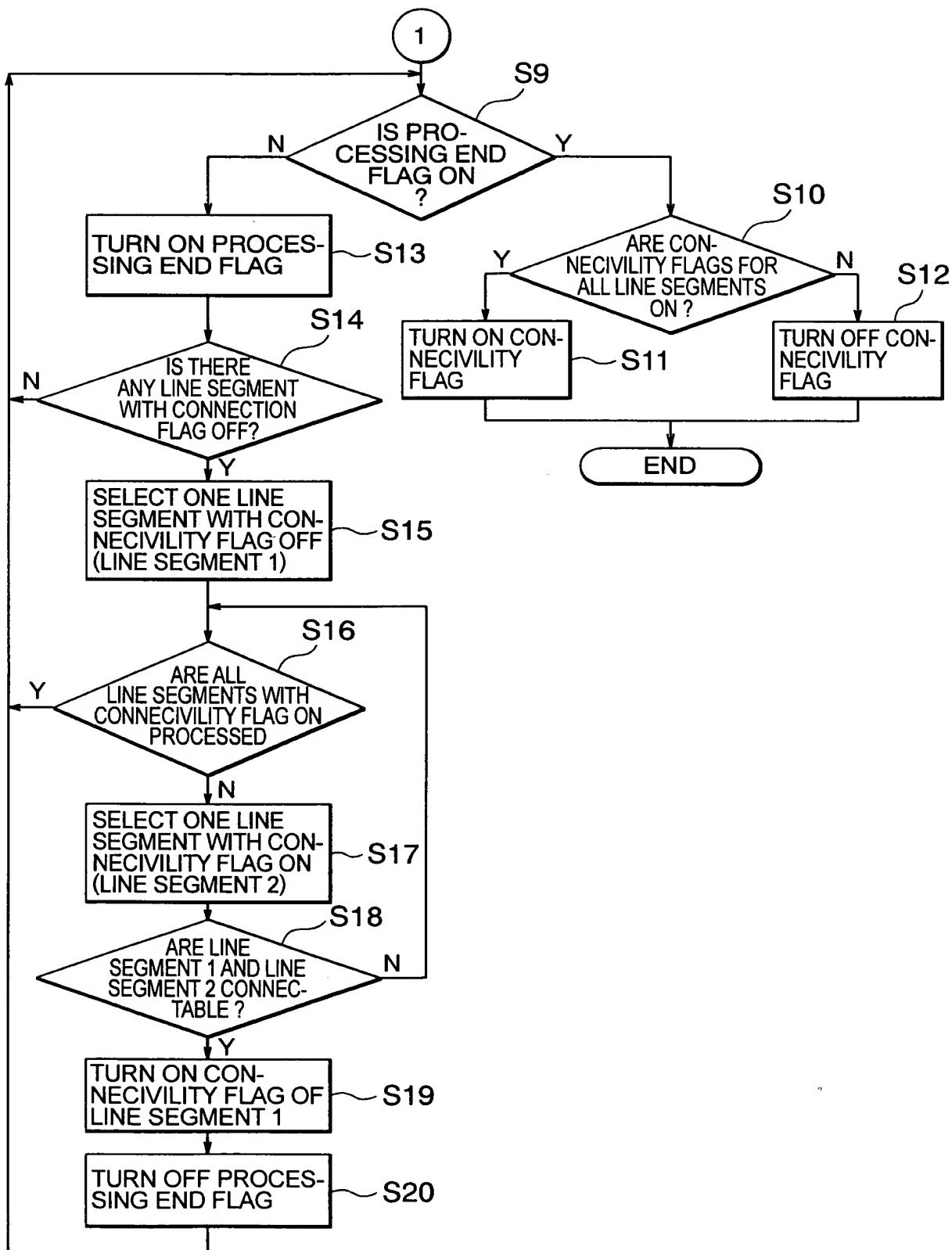


FIG. 14

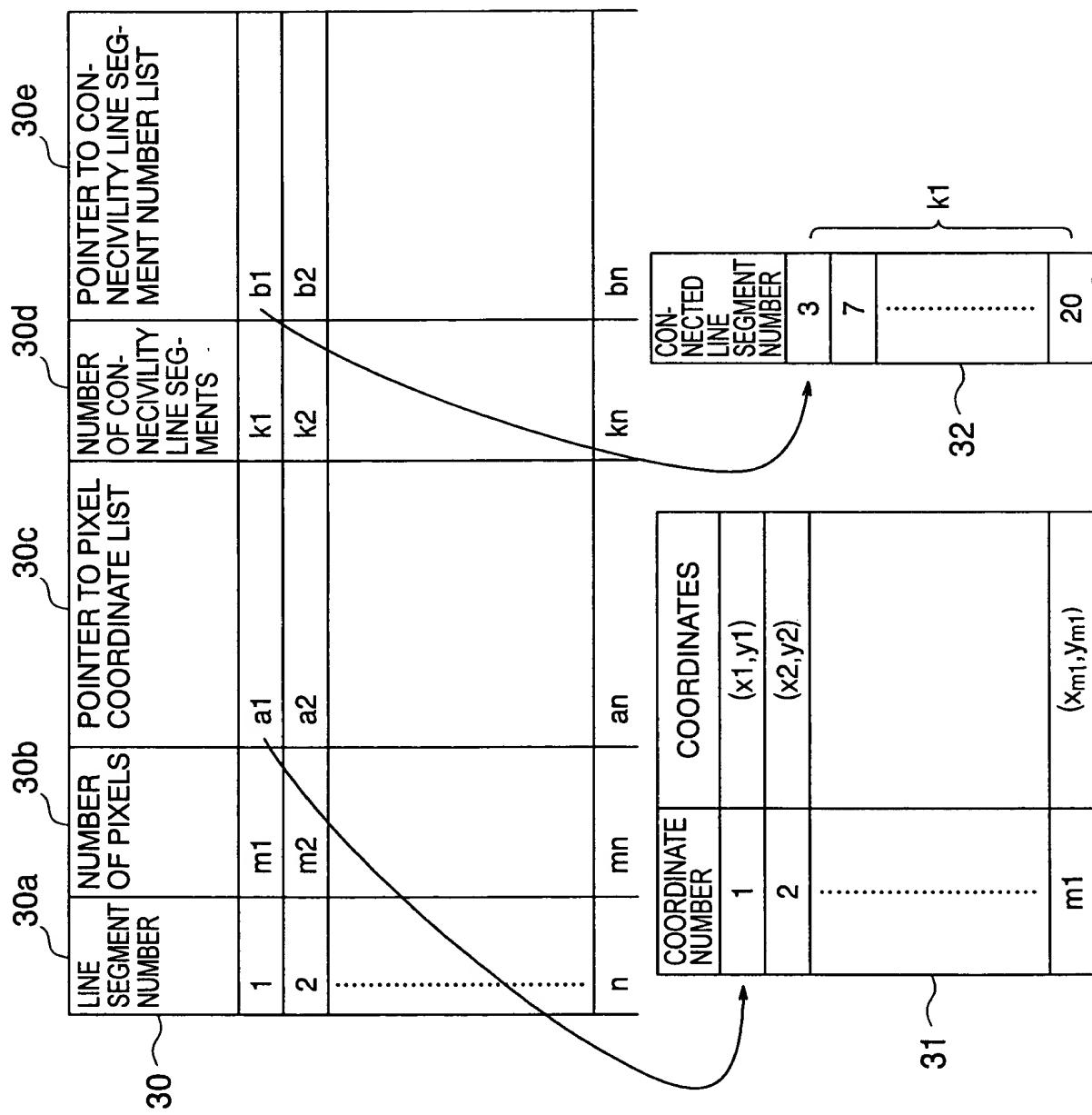
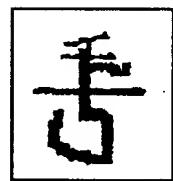
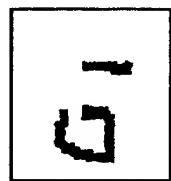


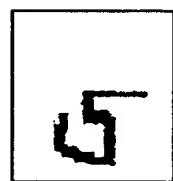
FIG. 15



(a) ORIGINAL
IMAGE

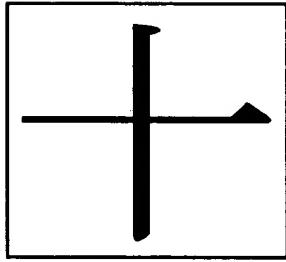


(b) COMBINATION
WITHOUT
CONNECTIVITY



(c) COMBINATION
WITH
CONNECTIVITY

FIG. 16

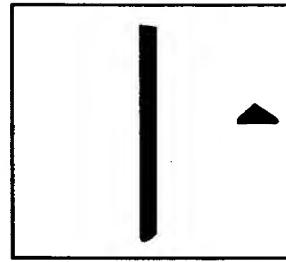


(a) IMAGE "+" IN MING-STYLE TYPE

a91
a9
a9
a9
11111111a9111111121
a9
a9
a9
a9
a9
a

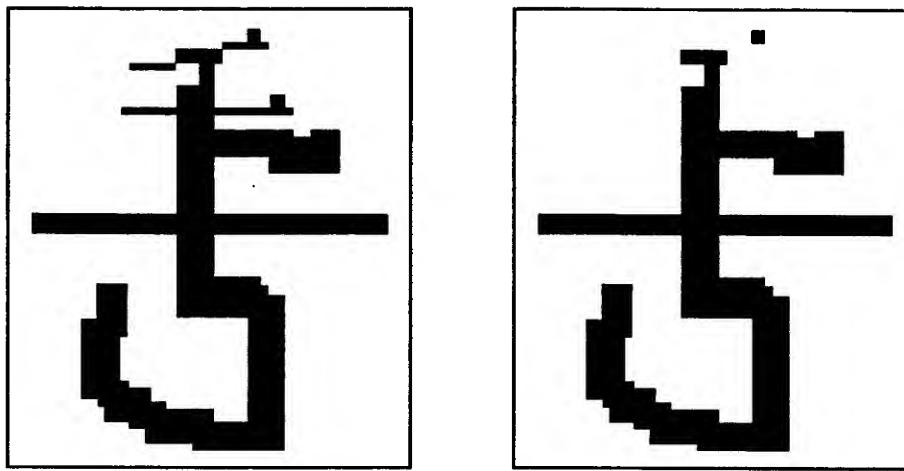
The data shows the run distribution of the '+' symbol. It consists of a series of 'a' characters followed by a '9' character, then a '1' character, then another 'a' character, followed by a '9' character, then a '2' character, and finally another '1' character. This represents the vertical run widths of the characters in the original image.

(b) RUN DISTRIBUTION OF IMAGE "+" IN MING-STYLE TYPE IN VERTICAL DIRECTION



(a) IMAGE "+" IN MING-STYLE TYPE FROM WHICH PORTION WITH RUN WIDTH 1 IN VERTICAL DIRECTION IS DELETED

FIG. 17



(a) ORIGINAL IMAGE

(b) IMAGE AFTER ITS PORTION
WITH FINE LINE WIDTH IS
REMOVED

FIG. 18

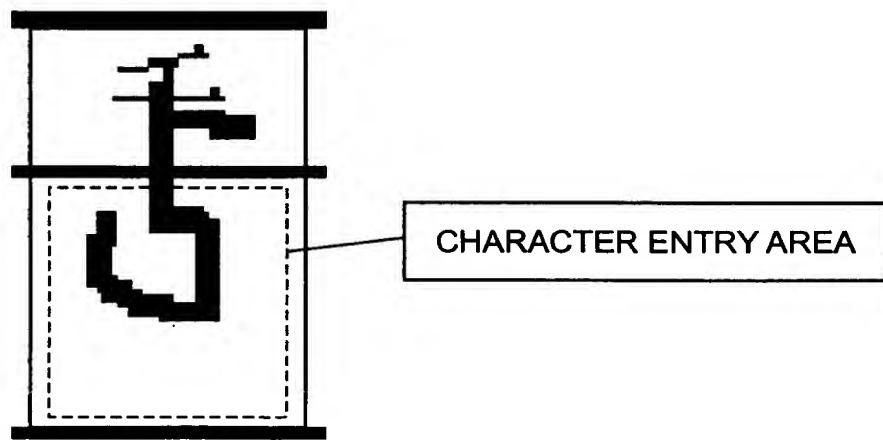
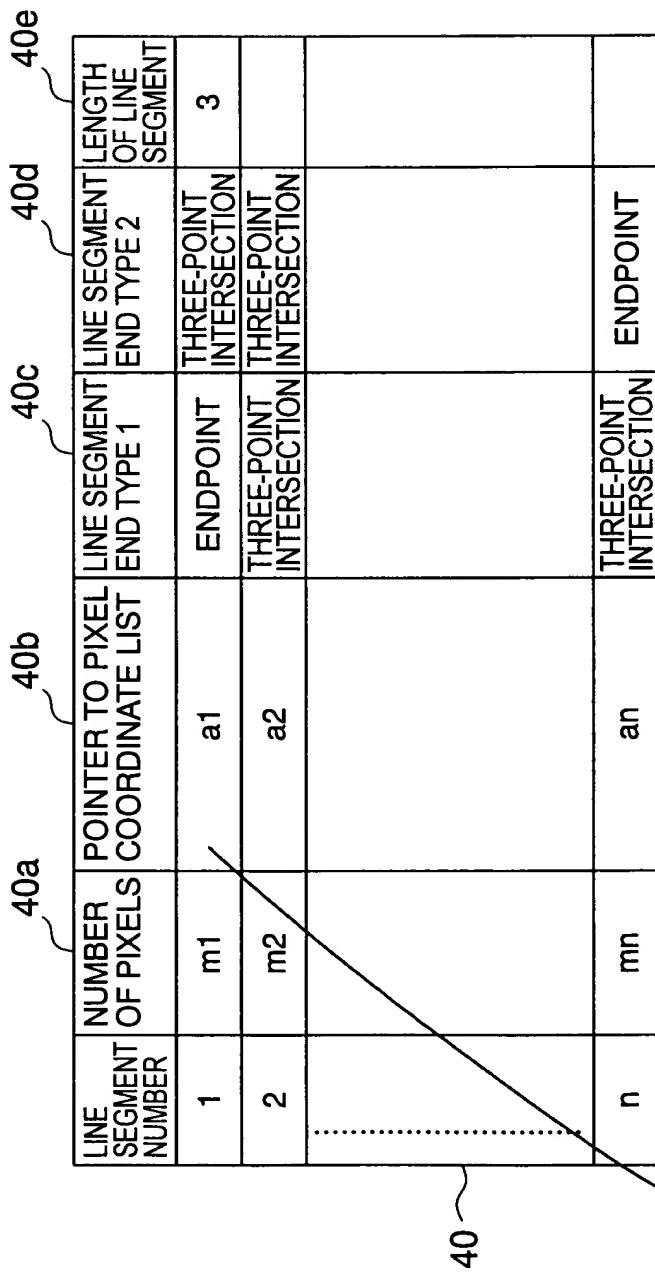


FIG. 19



COORDINATE NUMBER	COORDINATES
1	(x1,y1)
2	(x2,y2)
...	...
m1	(xm1,ym1)

FIG. 20

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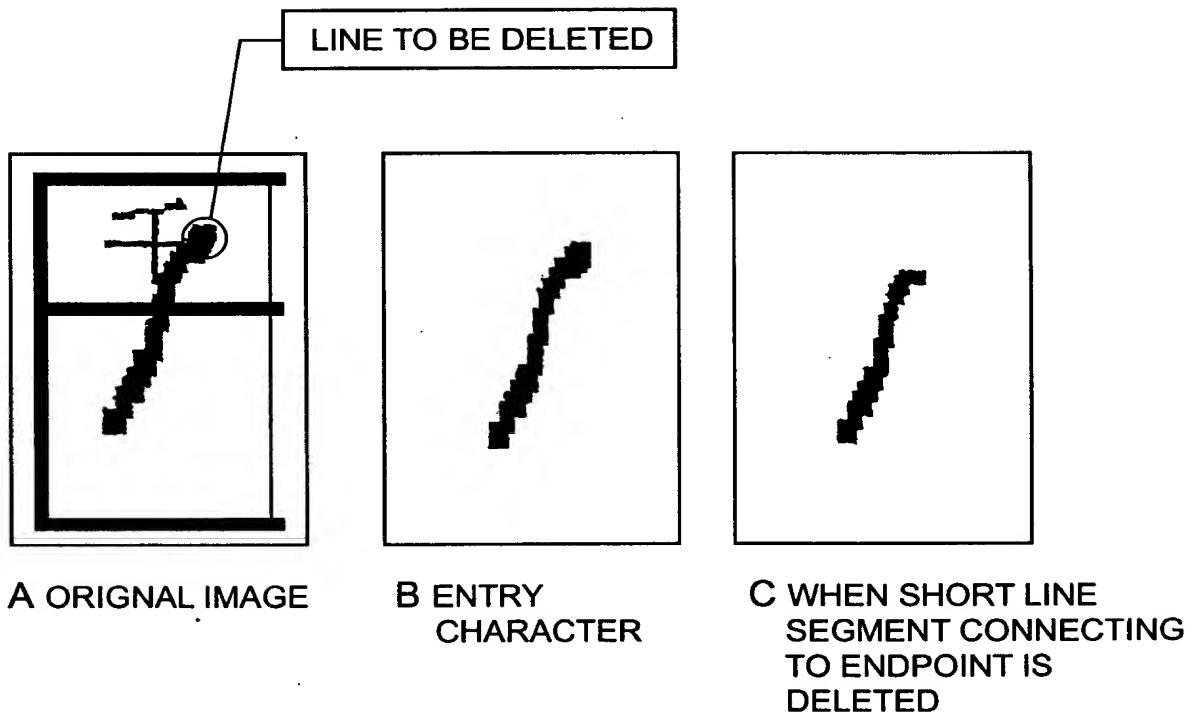


FIG. 21

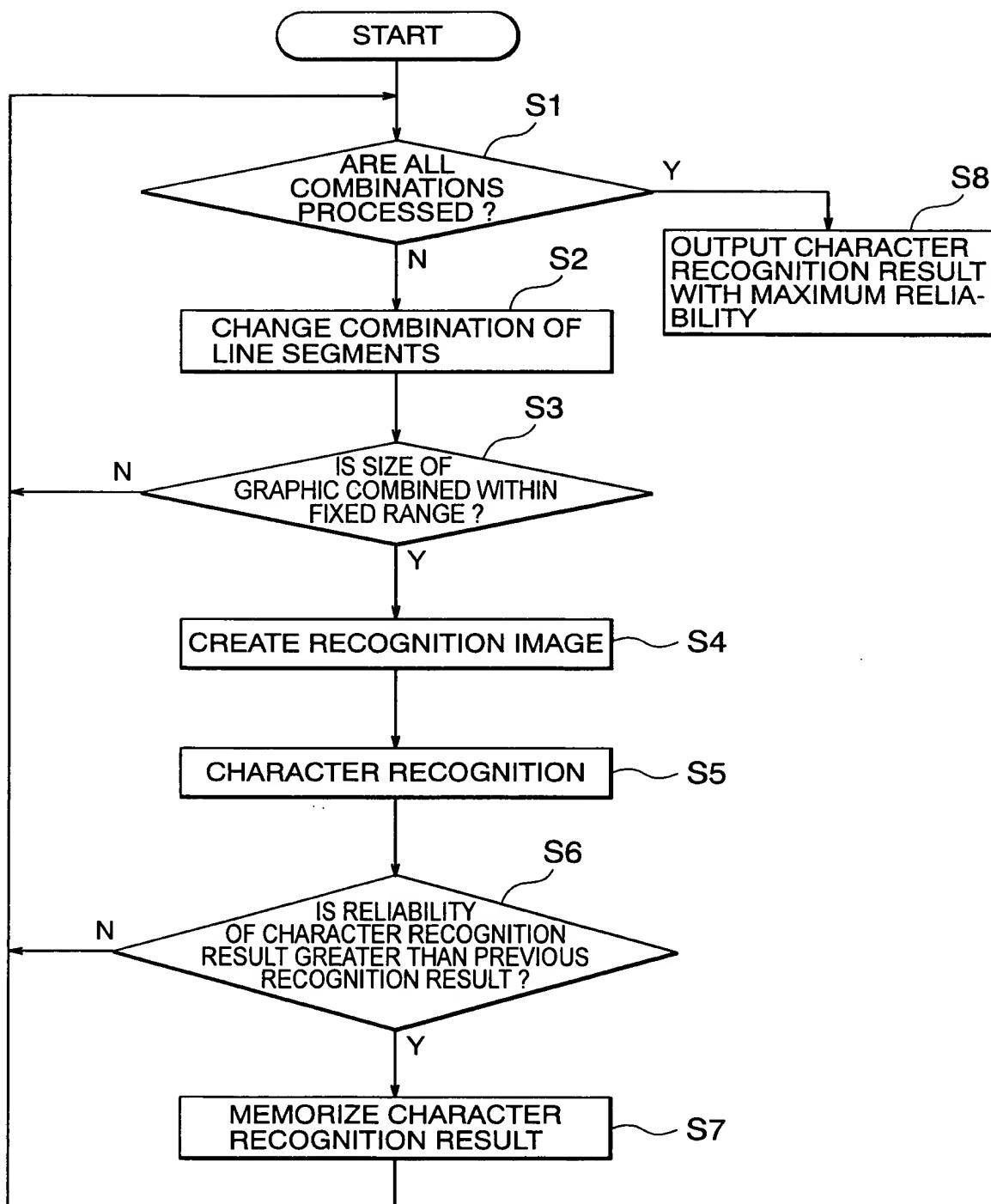


FIG. 22

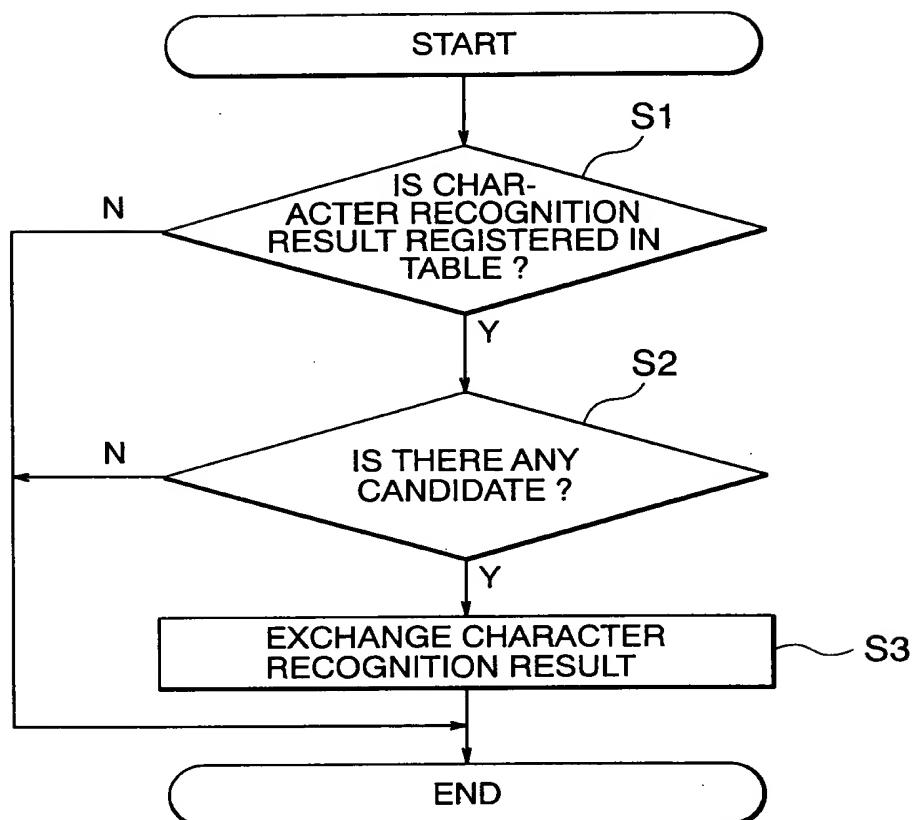


FIG. 23

EXCHANGED OBJECT CHARACTER	EXCHANGING OBJECT CHARACTER
0	6 , 8
1	4 , 7 , 9
6	0
8	0

FIG. 24

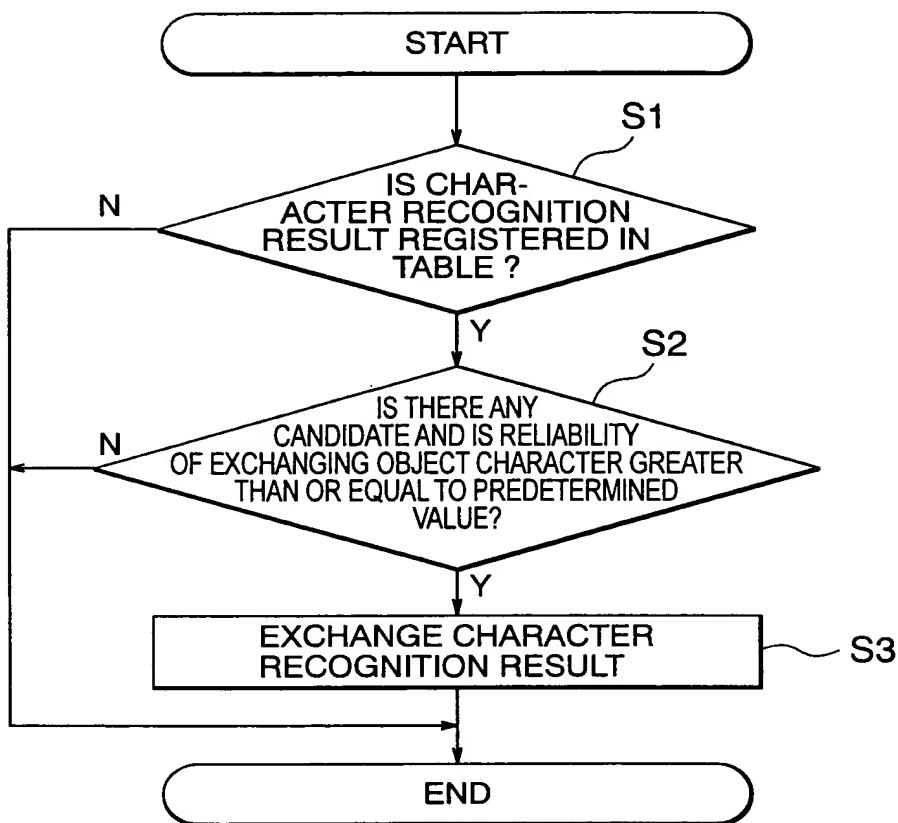


FIG. 25

EXCHANGED OBJECT CHARACTER	EXCHANGING OBJECT CHARACTER	RELIABILITY WHEN EXCHANGING
0	6	200
	8	220
1	4	230
	7	200
6	9	240
	0	220
8	0	250

FIG. 26

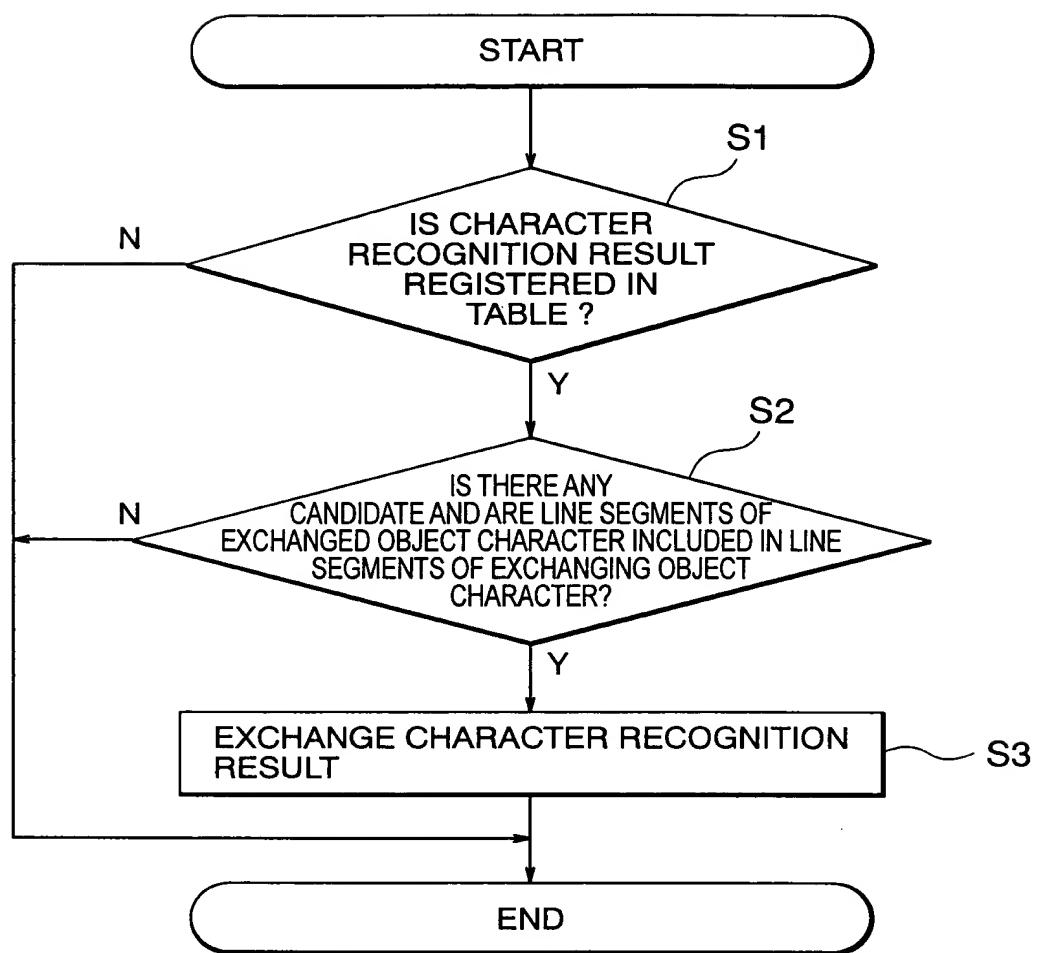


FIG. 27

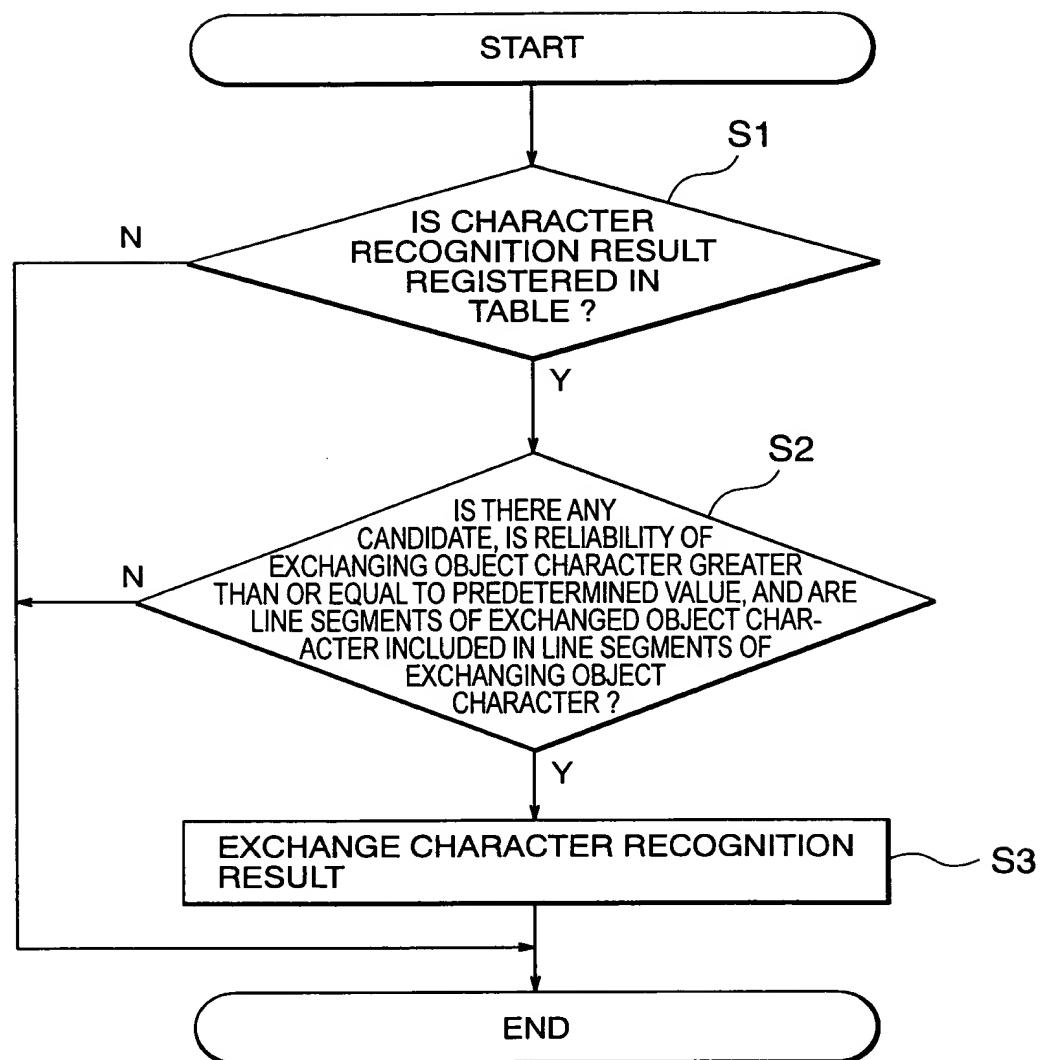


FIG. 28

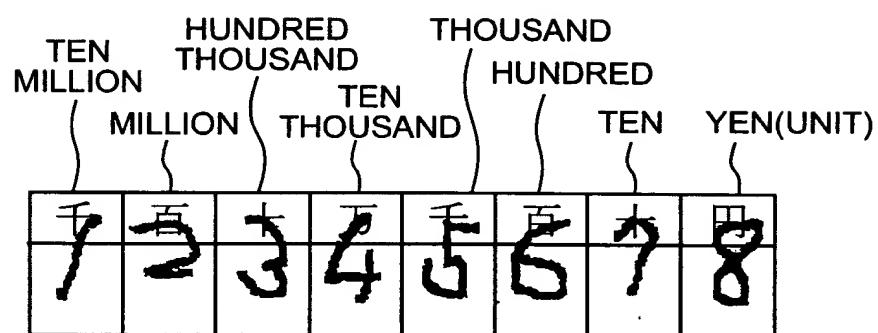


FIG. 29

INSTANCE OF FALSE RECOGNITION

TOP SECRET//COMINT



INPUT IMAGE
(ENTRY CHARACTER "7")

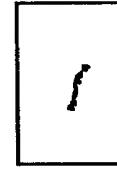


IMAGE EMPLOYED AS
RECOGNITION RESULT
(RECOGNITION RESULT "1")

(a)



INPUT IMAGE
(ENTRY CHARACTER "8")

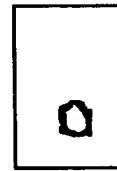


IMAGE EMPLOYED AS
RECOGNITION RESULT
(RECOGNITION RESULT "0")

(b)



INPUT IMAGE
(ENTRY CHARACTER "0")

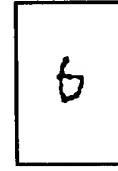


IMAGE EMPLOYED AS
RECOGNITION RESULT
(RECOGNITION RESULT "6")

(c)